



Installation Manual

Wireless Touch Control Unit

Thank you for purchasing the RF TOUCH wireless control device

RF Touch allows you to:

- Control numerous devices via the touch screen
- Control and dim lighting
- Switching of electrical loads and equipment
- Blinds / shutters / curtains etc.
- A combination of detectors
- 'Holiday Mode' settings for switching, dimming and blind actuators
- Create scenes/moods to control multiple devices from a single touch of the screen
- Visualise the status (ON/OFF etc.) of all devices on the system
- Communicate wirelessly with devices, eliminating the need for cabling to a central point

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Before you start

Please ensure you read and understand both manuals prior to installing and using the RF Touch.

The instruction manual is intended to aid installation and use of the equipment. Installation of the product can only be carried out by a qualified electrician and must be wired in accordance with the latest IEE Wiring Regulations.

Dependant on the number of devices programmed, the screen may lag slightly especially during programming whilst the RF Touch waits for the return signal from the relevant device.

Heating installation is not included in these instructions. We recommend the installer undertakes training prior to commencing with any RF Control heating installation.

Trouble free functioning of the RF Touch is dependent on correct storage and handling. If there are any signs of damage, deformation, malfunction or missing parts, do not install this product and please return it to the distributor.

Incorrect installation or mishandling of the product may invalidate the warranty.

Standard warranty is 12 months from date of purchase.

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All actuators in the RF Control System can be controlled by one RF Touch central unit and all transmitters of the system simultaneously.

Switching Actuators



RFSA-61B
16A 230V~ single channel
multifunction switching actuator
6 functions



RFSAI-61B
16A 230V~ single channel
multifunction switching actuator
with 3V DC switch input
6 functions



RFSA-62B
2 x 8A 230V~ two channel
multifunction switching
actuator
6 functions on each channel



RFSA-61M
16A 230V~ single channel
multifunction switching actuator
6 functions



RFSA-66M
6 x 8A 230V~ six channel
multifunction switching actuator.
6 functions on each channel



RFSC-61
13A 230V~ multifunction
plug-in switching actuator
6 functions

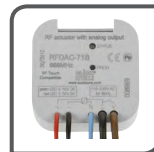
Dimming Actuators



RFDA-71B
250Va 230V~ multifunction
dimming actuator
(de-rate for LED loads)
7 functions

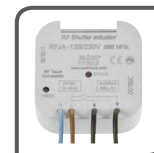


RFDEL-71B
160Va 230V~ multifunction dimming
actuator with load selection, trim
function and switch input
7 functions



RFDAC-71B
Actuator with analogue output
0(1)-10V 1 x 16A 230V AC
switching contact
7 functions
Control of 1-10V dimmable ballasts
and other 0-10V devices.

Blind / Shutter Actuators



RFJA-12B/230V
8A 230V AC switching
relay actuator



RFJA-12B/24V DC
12-24V DC contactless
switching actuator

Detectors



JA-82M
Wireless window / door contact
(UPVC frames)
2 x CR2354 3V batteries



JA-83M
Wireless window / door
contact
1 x CR123A 3V battery



JA-83P
Wireless PIR sensor
1 x CR123A 3V battery

The RF Touch central control unit provides intelligent control

It can be used for:

- Central control of all units from one place
- Complete overview (visualization) of the current status of units (appliances / equipment)

Features:

- Can control switching, dimming and shutter actuators
- Displays feedback from detectors
- Programmable for simulated occupancy with holiday mode

Design:

- RF Touch is surface mounted with 100-230V power supply wired directly in to the back or from the 12V DC plug in transformer (supplied)
- 3.5 inch colour touch screen (no mechanical buttons)
- 40 actuators and 30 detectors can be assigned to each RF Touch unit
The RF Touch unit can only be combined with RF Control units marked as RF Touch compatible.

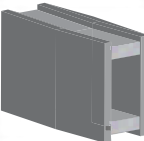
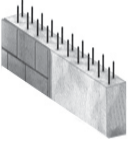
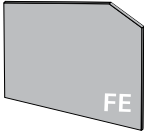


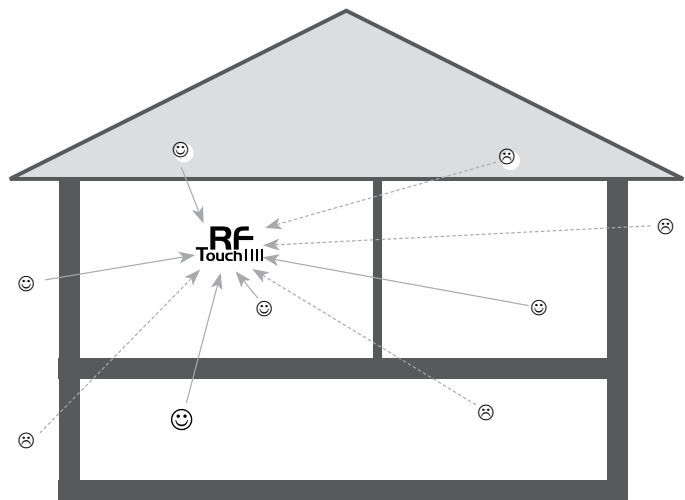
Technical Parameters	
Display	
Type:	Colour TFT LSD
Resolution:	320 x 240 pixels / 262,144 colours
Aspect ratio:	3 : 4
Visible area:	52.5 x 70 mm
Backlight:	Active (white LED)
Touch screen:	Resistive 4-wire
Display:	3.5"
Control:	Touch sensitive
Power Supply	
Voltage / specific current:	Terminated in to the back 100 - 230 V AC From the side 12 DC *
Power consumption:	Max. 5 W
Power supply connector:	A1 - A2
Control	
Range up to:	100 M
Minimal range RF Touch – actuator:	1 metre
Frequency:	868.5 MHz

Technical Parameters	
Connection:	Screwless terminal push-in or 12V DC jack ø 2.1 mm
Max. cross section of wires:	Max. 2.5 mm² / 1.5 mm² with socket
Operating Conditions	
Operating temperature:	0 ... +55°C
Storage temperature:	- 20 ... +70°C
Protection:	IP 20
Over voltage category:	III
Pollution degree:	2
Operating position:	Arbitrary
Installation:	Surface Mounted
Dimensions:	94 x 94 x 24 mm
Weight:	175 g
Standards:	EN 60669, EN 300 220, EN 301 489, RTTE Directive, NVNo.426/2000Sb (Directive 1999/ES)

Please note: The radio signal range of the RF installation depends on the building construction, materials and position of all devices. Before final fixing the RF Touch we suggest that a communication test is performed to each actuator from the RF Touch when it is in the proposed installation location (See menu create and programming sections)

Transmission of radio-frequency signals through various materials

	Wooden structures with plasterboard 80-95 %		Standard glass 80-90 %
	Brick wall 60-90 %		Reinforced concrete 20-60 %
	Metal plates 0-10 %		



Direct 230V Termination



230V Supply
A1 - Live (Brown)
A2 - Neutral (Blue)
(The centre termination is not required)



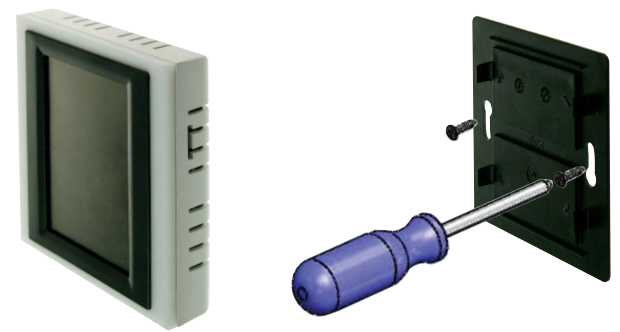
Double Insulated
Ensure the electrical circuit is isolated prior to starting any electrical installation. Any electrical installation must be undertaken by a qualified electrician in accordance with the latest IEE Wiring Regulations.

Power Supply Adapter



12V DC plug-in adapter (supplied)

Fitting



Basic

RF Touch version Information and number of assigned units

Settings

Back to the home screen

Step back one screen

Setup Menu

Scroll up

Scroll down

Confirm

Yes/selected

No/not selected

Add

Edit/remove

Name/address of the actuator(s)

Delete

Main menu

Switching

Dimming

Blinds

Detectors

Quick control

Keyboard

Dot

Letters

Small/capital letters

Space

Switch - letters / numbers

Confirm

Erase previous

Holiday Mode

7 Day Timings

Holiday Mode

Switching

Switch on

Switch off

Impulse

Button

Time function
- delayed switch on
- delayed switch off

Detectors

Searching detector(s)

Dimming

Switch on

Switch off

Dimming

Dim up time

Dim down time

Confirm

Blinds

Raise blinds

Lower blinds

Measured time +2s

Installation Form

Complete the form as follows:

• Location of each unit (to create a menu) i.e. lounge / front bedroom etc. and the circuit it controls (20 characters max.)

• Device function, i.e. switching / heating / dimming etc.

• Each unit's product reference (e.g. RFSA-61B, for the correct classification of the group)

• Address of each unit (to identify the actuator, for example: 00102F)

Completing the form will aid programming of the RF Touch and will help with any future maintenance or additions to the system.

We also recommend noting details of the quick controls with noting light levels when dimmed and time settings where applicable.

The installation form is supplied with this manual or can be downloaded from www.clickinels.com.

Product reference
E.g. RFSA-61B

Address
E.g. 00102F

Example of form information required:

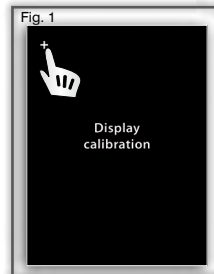
No.	Location/Circuit (20 chars)	Device Function	Actuator Part No.	Actuator Address
1.	Porch Light	Switching	RFSA-61B	00102F
2.	Lounge Wall Lights	Dimming	RFDA-71B	00AB34
3.	Lounge Table Lamp	Switching	RFSC-61	004D14

Calibration

When the RF Touch is switched on for the first time the 'display calibration' screen will appear automatically. The touch screen is controlled by lightly touching the desired location. On the screen (Fig. 1) appears a cross starting in the top left corner, cleanly press on the cross twice, repeat for the remaining three corners when the cross is shown.

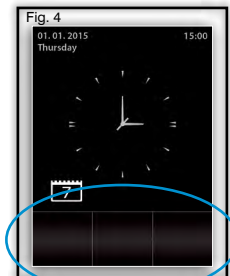
The RF Touch is now calibrated.

Note: In the event the screen does not calibrate correctly, turn off the power and then back on. When the 'RF TOUCH' logo appears, press and hold the screen until the calibration screen appears. Calibrate as above.



Content Of The Home Screen

- Date and day
- Time (touching on the time in the top right corner of the display will switch between analogue and digital clocks (Fig. 2 & 3))
- Either the 7 day icon or holiday mode icon can be displayed if preferred. See page 24
- The three boxes along the bottom can be customised to show favourite functions, e.g.: lighting, scene etc. (Fig. 4). See page 27
- Touch the main clock area to enter the Main menu (Fig. 5 & 6)



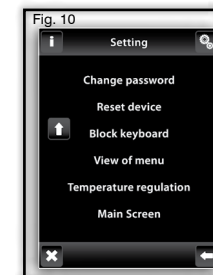
Main Menu / Settings

The 'Settings' menu can be accessed by pressing in the top right corner of the screen (Fig. 7).

The password screen (Fig. 8) then appears.

Enter the default password '1111' and press 'OK' to fully access the 'Settings' menu (Fig. 9).

Note: The password can be changed to help prevent access to the settings menu, see page 25 for more information.



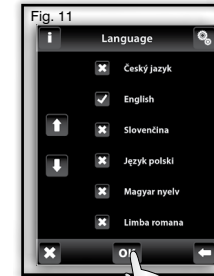
Setting Menu

The 'Settings' menu contains two screens. Press the buttons to move between the screens (Fig. 9 & 10).

Language

Select language (Fig. 9)
Select the preferred language - (Fig. 11)

Press **OK** to save.

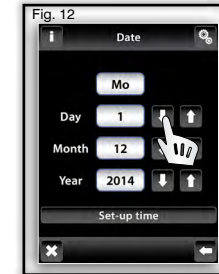


Date & Time

Select Date and time (Fig. 9)

- Date and Time
- Automatic transition between winter & summer time (Time Zone GTM +01:00)
- Format settings hours (12h / 24h mode)

Press **OK** to save.



Using the information in the completed installation form, programme the individual location/circuit names in to the RF Touch menu.

Menu (create menu)

Menu (create menu) is used to add, edit or remove the location and circuit names of the individual devices on to the system. In this menu (Fig. 1) you need to first create your own device location labels for the sections you want to control.

Creating names is important for successful programming of the RF Touch. Quick Control names should describe the mood / scene to be created e.g. 'TV' or 'Reading'.

Each actuator must have its own location /circuit identification, e.g. if there is more than one blind actuator in one location (room), then you must ensure you can easily identify each one, e.g. Kitchen Blind 1 / Kitchen Blind 2 etc.

Menu (create menu) - Add

Press the **+** Add icon (Fig. 2) to show a list of sections (Fig. 3):

☐ Switching ☐ Dimming ☐ Blinds ☐ Detectors ☐ Quick Control

Choose the section where you want to add the location / circuit name and type your own text using the keyboard on the screen (max. 20 characters).

Example 1: If you want to setup blind actuators - Select the 'Blinds' section by tapping on the text 'Blinds' (Fig. 3) and the 'Add next'.



Menu (create name) - Edit

The Edit button is used to modify an existing name in the menu listing.

Press the Edit icon **≡** (Fig. 6), the section menu appears, select the device function in which you want to edit the created name (Fig. 7). Select the name to be edited (Fig. 8) and then edit with the displayed keyboard. Press **OK** to save (Fig. 9).



Menu (create name) - Remove

The Remove button can be used to delete an existing created name in the menu listing.

Press the Remove icon **≡** (Fig. 10) the device function menu appears, select the function in which you want to remove the name (Fig. 11). Select the device label you want to delete by touching it. (Fig. 12).

Press **✓** to confirm the selection (Fig. 13). **WARNING** - This will also delete any assigned actuator!



 Programming - Add, Assign Or Remove

Programming is used to add, assign or remove the actuators / detectors to the location / circuit names created in the previous section. The Programming menu can be accessed from the Main Menu by pressing  in the top right corner (Fig. 1). Select Programming (Fig. 2) and then enter the password (default - 1111) (Fig. 3).

The assigning of actuators is divided into sections based on the functionality. Depending on the actuator's type you have to select the appropriate programming section - see Fig. 4 and table below (e.g. Actuator RFSA-61B - will be found in the Switching section).

RF Control Actuator Types			
Switching	Dimming	Blinds	Detectors
RFSA-6x *	RFDA-71B	RFJA-12B/230V	JA-81M
RFSAI-61B	RFDAC-71B	RFJA-12B/24V DC	JA-82M
RFSC-61	RFDEL-71B		JA-83P
RFDAC-71B			

* RFSA-61B, RFSA-62B, RFSA-61M and RFSA-66M actuators

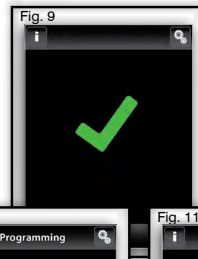


Add And Assign An Actuator To A Location / Circuit Name

This enables you to add the address of an actuator and then assign it to a location / circuit name. In the required section (switching, dimming ...) select Assign new (Fig. 5). A list of relevant actuator types will be shown. (Fig. 6). Select the name of the actuator which you want to associate with the location / circuit. Enter the address* of the actuator you want to assign (Fig. 7) as printed on the actuator. From the menu structure created earlier, select the location / circuit name to which the actuator will be assigned (Fig. 8).

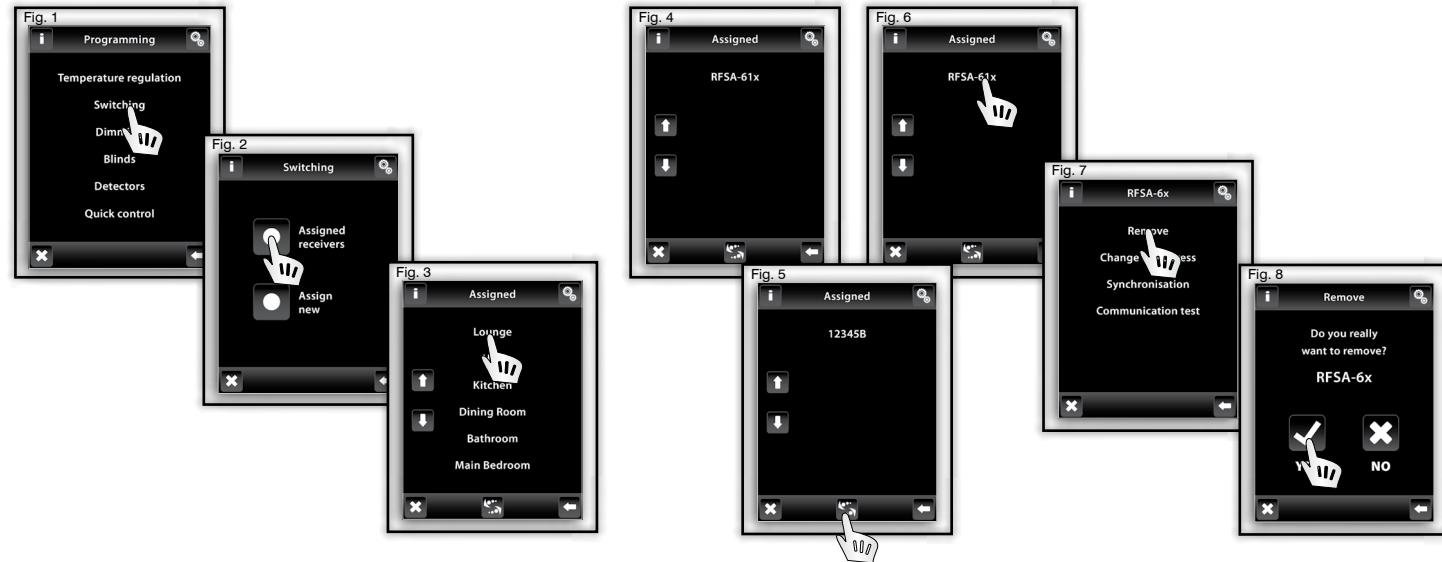
- Only one actuator can be assigned to each location / circuit.
- When programming, ideally the actuator must be installed and powered to allow the signal to be tested.
- Communication test (Fig. 10) is used to test the current status of the RF signal between the RF Touch and programmed actuator.
- Press Start (Fig. 11) to initiate the test, the current status of the signal is displayed.
- Press Close to get back to the programming menu.

*6 digit hexadecimal address recorded on the installation form (see page 11).



Remove An Actuator

When required, it is possible to remove a programmed actuator from the location / circuit name. Select the required section (Fig. 1), select Assigned receivers (Fig. 2), select the required location / circuit name from the list (Fig. 3). The assigned actuator is shown (Fig. 4). By pressing  you can check the address assigned to the actuator (Fig. 5). By pressing the product reference or address of the actuator (Fig. 6) you can then select to either 'Remove', 'Change of address', 'Synchronisation' or 'Communication test' the actuator (Fig. 7). Remove the actuator by pressing 'Yes' (Fig. 8).



Change Address, Synchronisation And Communication Test

If required, it is possible to change the address from the original programmed actuator to one with the same functionality (Fig. 9 & 10).

The 'Synchronisation' facility (Fig. 11) is only available on switching, dimming and blind actuators. The facility is required (Fig. 12) ☒ for where an actuator is programmed in to more than one RF Touch on the same installation, allowing synchronisation of the actuator status on all RF Touch units.

Note: If only a single RF Touch is installed the 'Activation' button can be left as  (Fig. 13)

Communication test (Fig. 14) is used to test the current status of the RF signal between the RF Touch and programmed actuator.

Press Start (Fig. 15) to initiate the test, the current status of the signal is displayed.

Press Close to get back to the programming menu.



Detectors - Assign

Selecting 'Detectors' within Programming (Fig. 1) enables the assigning or removal of the window, door and PIR detectors to the menu. Select Assign detector (Fig. 2). The list of detectors will be shown (Fig. 3). Select JA-81M / 82M (for JA-83P select JA-81P) (Fig. 4). The RF Touch will start searching for devices (Fig. 5) (the shortest distance to assign a detector is 1.5M).

Do not insert the batteries in to the detector until the RF Touch starts to search!

Insert the batteries in to the detector and it will be recognised once it has transmitted its address.

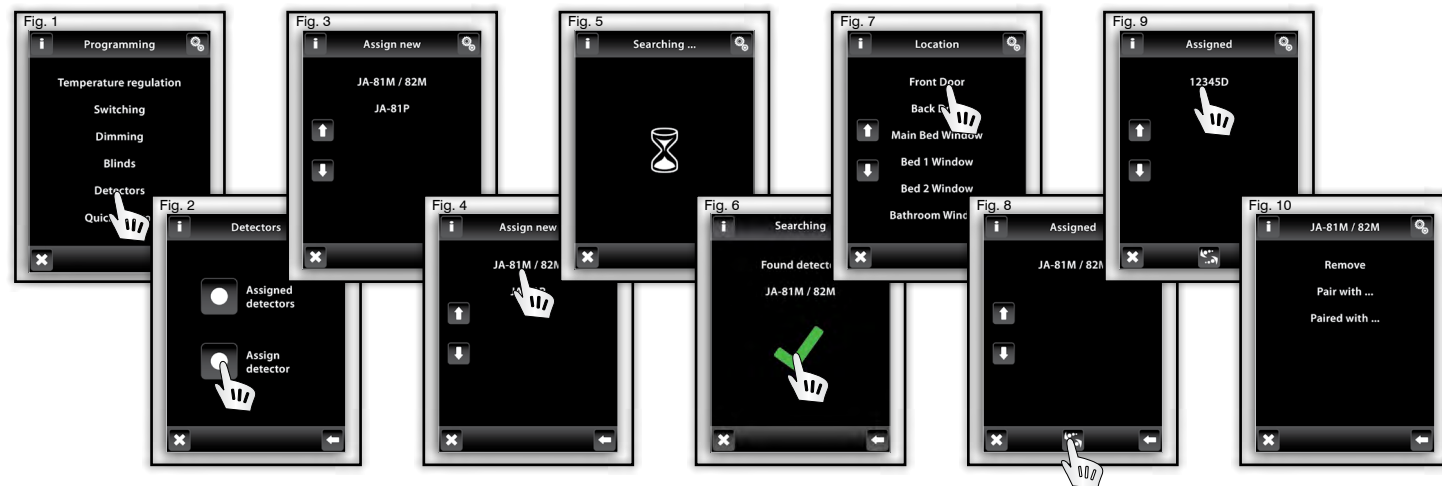
Confirm the assignment by pressing  (Fig. 6).

Choose the location / circuit name to which the detector is to be assigned (Fig. 7). Each detector may be assigned to one location.

Pressing arrows  will display the address associated with the detector (Fig. 8 & 9).

When you touch on the location or address of the detector the following options appear (Fig. 10):

 **Remove...**  **Pair with ...**  **Paired with ...**



Remove

Removes the detector from its assigned location label within the 'Detectors' menu. To confirm (Fig. 11).

Note: The two state JA-82M can be used in two ways:

- Information about the status (open / close) - e.g. window is open (without pairing with a switching actuator)
- Pairing with the multifunction switching actuator, which responds to the detector status (open / close) - e.g. light is switched on when you open the door.



Pair with...

The detector can be paired with multifunction switching actuators from the switching menu, (e.g. detector with hall light, Fig. 12 & 13).

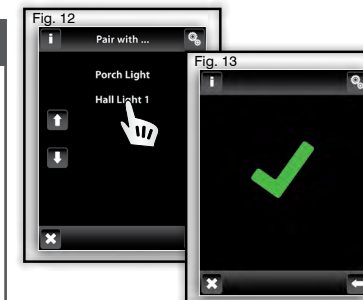
One detector can be paired with up to 30 multifunction switching actuators.

If the detector is paired with a switching actuator the function 'delayed off' is automatically activated. When the detector is activated, the assigned actuator switches the connected device for the programmed time (2s - 60min). Time delay can be set in the Control Menu of the paired switching actuators under 'Next Functions' and 'Setting Time'.

The above method can be used to assign additional detectors.

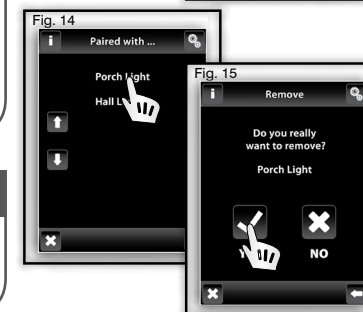
The RF Touch can be programmed with up to 30 detectors.

Note: The minimum distance between the detector and RF Touch is 1.5 meters.



Paired with...

This menu lists the switching actuators which are paired with the detector. By touching the name you can remove the paired actuator if required (Fig. 14 & 15).



Quick Control - Assign Actuators

Quick control is used to link / group commands together to form a complex scene or mood that can be operated from a single touch screen button.

For each scene or mood you can assign a combination of up to 20 different actuators.

Note: Quick control names need to be created within the menu (create menu) function prior to assigning devices. See page 14.

Note: Quick control elements can only be created when all of the actuators have been programmed and assigned in the different sections, e.g. switching, dimming etc.

Within 'Programming' select 'Quick control' (Fig. 1), select the scene name (Fig. 2).

Select Assign new (Fig. 3) it will display the functionality list (Switching, Dimming and Blinds). Select the function type you want to assign (Fig. 4). Select the location / circuit name (Fig. 5) and then define what you would like the actuator to do for this one scene (ON/OFF/DIM etc.)(Fig. 6).

The screen will then return to the functionality list (Fig. 4), where you can continue adding elements to the scene.

To assign receivers to another Quick Control scene, press twice to get back to the list of scenes / moods previously created.



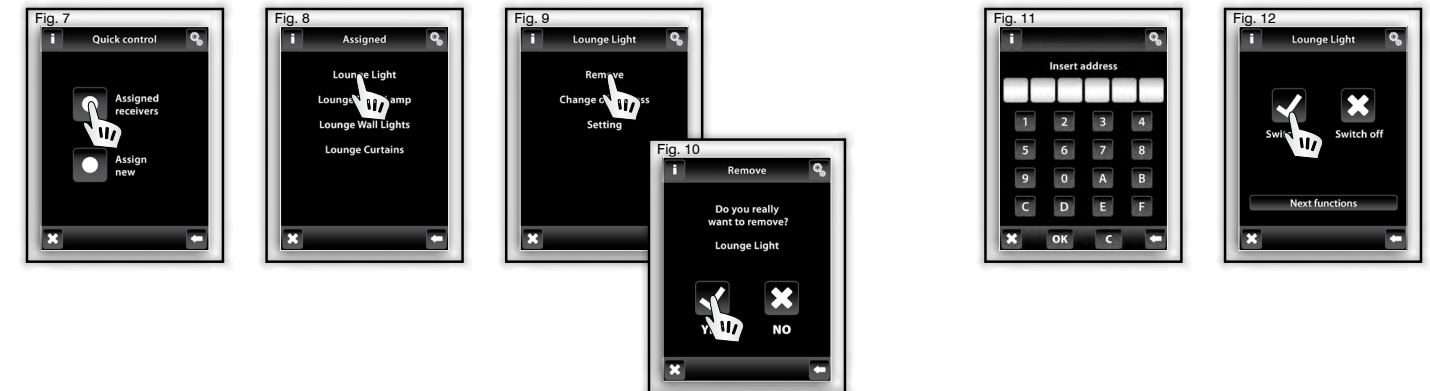
Remove, Change Of Address And Change Setting

Within 'Programming' select 'Quick control' (Fig. 1), select the scene name (Fig. 2) and then 'Assigned receivers' (Fig. 7). Select the location / circuit name (Fig. 8) to then display the options, 'Remove', 'Change of Address' and 'Setting'.

The 'Remove' (Fig. 9 & 10) facility removes the location / circuit association from the scene's group command list. However the location / circuit name and the assigned actuator will still remain as previously defined.

If required, it is possible to change the address from the original programmed actuator to one with the same functionality (Fig. 11).

The assigned location / circuit, the previously defined setting can be changed under 'Setting', e.g. if previously set to 'Delay ON' you could change it to 'ON' without the delay (Fig. 12).



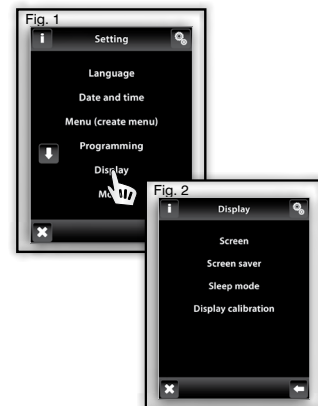
Display - Alter Settings

Screen: Change the colour of the screen background (black, blue, green, purple).

Screensaver: The screen will change to the selected brightness (25%, 50%, 75%, 100%) after the selected time (15s, 30s, 1 min, 3 min) since it was last touched.

Sleep mode: Select the time (0 min, 10 min, 15 min, 20 min) period before the unit goes to sleep (the screen goes off. Touching the screen wakes the unit up). '0 min' the screen stays on.

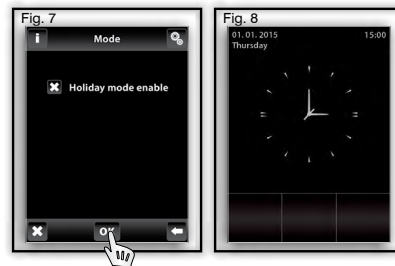
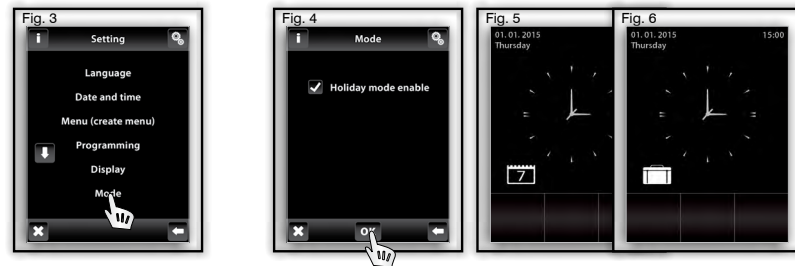
Calibrating the display: A cross will appear in each corner of the screen one at a time, which needs to be touched twice. Calibration is then complete. (Re-sizes the touch area of the device to the maximum allowable screen area). CAUTION: If you touch the screen elsewhere e.g. inside the position of the crosses, it is possible to reduce the touch sensitive area size to one that will not function correctly.



Mode

Gives the option to enable (Fig. 4, 5 & 6) or disable (Fig. 7 & 8) the holiday mode facility on the home screen for switching, dimming and blind actuators.

For more information on setting the times for holiday mode, see the user manual.

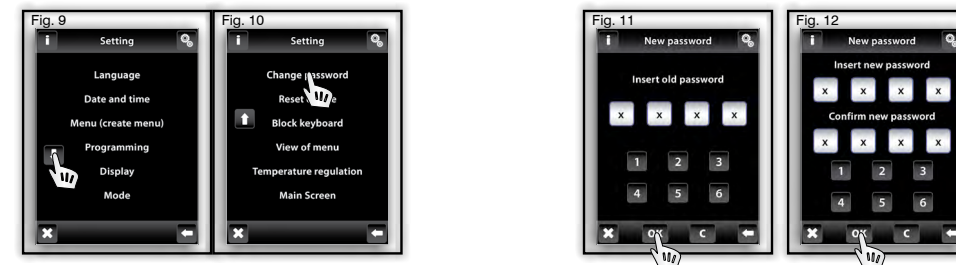


Change Password

Gives the facility to change the default '1111' password to help prevent unauthorised access to the programming menu.

Enter the default password (1111) (Fig. 11) the new password screen will appear - type in your new password and confirm. Press **OK** to save (Fig. 12).

Note: Please ensure the new password is documented for future reference. If the changed password is lost the RF Touch will need to be returned to the manufacturer for unlocking.



Reset Device

To reset the device to factory defaults enter '1234' (Fig. 14). This password cannot be changed. Confirming the reset (Fig. 15) will return the RF Touch unit to out of the box factory settings, removing all information previously programmed and also force a screen calibration.



Block Keyboard

Helps prevent accidental or unwanted control of the RF Touch (Fig. 2). After activation (Fig. 3), the unit will go in to lock mode after 10 seconds (Fig. 4). To unlock press the lock icon twice (Fig. 5).



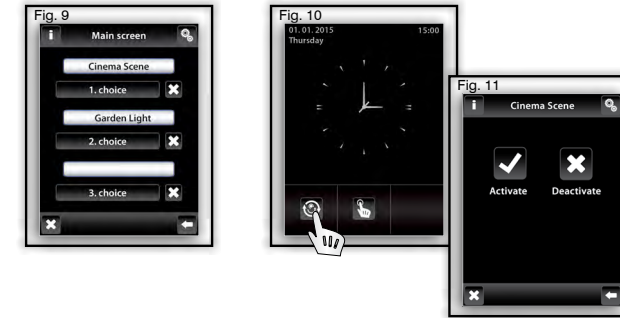
View Of Menu

The Main Menu list can be set so only those sections that you want to see are shown. (e.g. only Dimming, Switching and Detectors (Fig. 6 & 7). If all sections are de-selected with **X**, you will only see the list of location / circuit names of the actuators without its function (Fig. 8), this view is useful only if up to 6 actuators are programmed.



Main Screen

Enables personalization of the three sections of the display banner at the bottom of the Home Screen (Fig. 9 & 10). Left (1st choice), middle (2nd choice) and right (3rd choice) can be used to set the most common controlled devices or scenes directly from the home screen banner as short links.





Warning is displayed in case of incorrect or incomplete entry.

Warning	Procedure
Up to 40 rooms may be defined.	No more than 40 device names may be entered
Saving failed.	Repeat entry
Delete failed.	Repeat entry
No unit allocated.	Allocate (assign) the requested actuator
Two time programmes overlap within a single day.	Check time settings and enter new settings ensuring they do not overlap
No time programme available within a single day.	No other programme can be entered
No day selected.	Select the required day and enter new time settings
Switch on time may not exceed the switch off time.	Enter new settings
Unit already allocated to the room. Select another room.	Only one actuator can be allocated to one name of device (outside Quick Control)
This room has already been defined in the group.	Enter a new name
The address has already been selected in the unit list. Choose another address.	Enter correct address information
The address information must be complete.	Enter correct information
Up to 40 units may be defined.	No more than 40 units may be entered
The switch on date must be different from the switch off date.	Enter new settings
The switch on date must not exceed the switch off date.	Enter new settings



Warning is displayed in case of incorrect or incomplete entry.

Warning	Procedure
All 5 programmes are engaged.	No other programme can be entered
No unit allocated to the room.	Allocate actuator
This group has already been allocated.	Enter new settings
Display incomplete - control impossible.	Calibrate the device (disconnect the power supply, after reconnecting hold the logo RF Touch, finish the calibration by touching twice the cross signs that appear in each corner of the screen)
EPROM memory error!	Contact the manufacturer
RTC circuit error!	Contact the manufacturer
AT45 circuit error!	Contact the manufacturer

Have you lost the password?	Please ask the manufacturer for information about further steps
Battery icon appears on the main screen	See page 19

General Information

With consideration to the transmission of the RF signal, ensure that RF components are suitably located in the building where the device is to be installed. The RF Control system must only be installed in indoor areas. The device has not been designed for outdoor use or use in moist environment, it must not be installed in metal distribution boxes and plastic distribution boxes with metal doors as this would prevent the transmission of the radio frequency signal. RF Control is not recommended for the control of devices providing vital life functions or for the control of at risk devices such as pumps, electrical heaters without heat regulators, lifts, pulleys etc. - radio frequency transmission could be hampered with an obstacle, interfered with, the transmitter battery may become depleted etc. thus disabling the remote control. Not suitable for use in an industrial environment.

Do not expose to extreme temperature changes. In case of extreme temperature changes allow approx. 2 hours prior to installation for the RF Touch to adjust to the temperature of the installation location. This will prevent condensation of moisture in the device and the occurrence of a potential short circuit.

Keep flammable materials away from the device.

The graphic indication of the contact / device status (red/green LED) is only for information and may be influenced by the amount of processed information or the combination of more RF Touch and RF Pilot control units.



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